

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/21/2002

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MSDS NO. 515 1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME
W.M. BARR & COMPANY, INC.ADDRESS
2105 Channel Avenue
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1
901-775-0100EMERGENCY CONTACT
W.M. Barr Technical ServicesEMERGENCY INFORMATION
See Section 5 for additional Emergency InformationINVENTORY ITEM #
CHEMICAL FORMULA
515PRODUCT NAME
WATER BASED NO SANDREVISED BY
W.M. Barr Technical ServicesREVISION DATE
1/26/1993

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
ALIPHATIC DIBASIC ACID ESTERS	10- 15	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
DIMETHYL SUCCINATE	15- 20	106-65-0	N	N	N	N
DIMETHYL GLUTARATE	65- 70	1119-40-0	N	N	N	N
DIMETHYL ADIPATE	15- 20	627-93-0	N	N	N	N
ETHYLENE GLYCOL MONOPROPYL ETHER	5- 10	2807-30-9	N	N	N	N
OCTYLPHENOXYPOLYETHOXYETHANOL SOLUTION	1- 5	9036-19-5	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
OCTYLPHENOXYPOLYETHOXYETHANOL	97- 99	9036-19-5	N	N	N	N
SILICA, CRYSTALLINE, QUARTZ	5- 10	14808-60-7	N	N	N	Y

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG. AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
ALIPHATIC DIBASIC ACID ESTERS	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
DUPONT RECOMMENDS AN AEL (ACCEPTABLE EXPOSURE LIMIT) OF 1.5 PPM (10 MG/M3), TWA.							
DIMETHYL SUCCINATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
DIMETHYL GLUTARATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
DIMETHYL ADIPATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
ETHYLENE GLYCOL MONOPROPYL ETHER	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E

EASTMAN KODAK RECOMMENDS AN INDUSTRIAL HYGIENE GUIDELINE OF 25PPM TWA,

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SKIN

OCTYLPHENOXYPOLYETHOXYETHANOL SOLUTION	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
OCTYLPHENOXYPOLYETHOXYETHANOL	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
SILICA, CRYSTALLINE, QUARTZ	ACGIH OSHA	MG/M3 MG/M3	0.10 0.10	N/E N/E	N/E N/E	N N	N/E 0.10

ACGIH AND OSHA TWA FOR SILICA, CRYSTALLINE, QUARTZ, RESPIRABLE DUST.
NIOSH DEFINED CARCINOGEN.

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains no chemicals subject to the reporting requirements of SARA III: Section 313.

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

May cause dizziness, headache, irritation of respiratory tract, narcosis, vomiting, blood damage, and liver injury.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

Harmful if absorbed through skin. May cause irritation, redness, swelling, tissue damage, and may cause increased severity of symptoms listed under ingestion.

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant.

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SECTION 4. HAZARDS IDENTIFICATION
(CONTINUED)
-----**INGESTION ACUTE EXPOSURE EFFECTS**

Harmful if swallowed. May cause dizziness, headache, nausea, weakness, vomiting, loss of coordination, gastrointestinal irritation, diarrhea, and changes in white blood cells.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged contact with skin may cause skin irritation and temporary blurred vision. May cause dyspnea, cough, chest pains, impaired pulmonary functioning, jaundice, anemia, liver damage, and bone marrow damage.

MEDICAL CONDITIONS AGGRAVATED

Diseases of the respiratory and pulmonary systems.

PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES
-----**INHALATION**

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

EYE CONTACT

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

INGESTION

Call your poison control center, hospital emergency room, or physician immediately for instructions.

NOTE TO PHYSICIAN

This formula is registered with POISINDEX.
Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
OTHER	G	NA

FLASH METHOD

Seta

FLASH POINT

N/E F

N/E C No flash to boil.

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SECTION 6. FIRE FIGHTING MEASURES
(CONTINUED)

LOWER EXPLOSION LIMIT

1

GENERAL COMMENTS

OSHA FLAMMABILITY: Not Applicable

EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS

Keep container tightly closed.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal regulations.

SECTION 8. HANDLING AND STORAGE

STORAGE

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

HANDLING

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION

For D.O.T. information, contact W.M. Barr Technical Services Department.

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION
(CONTINUED)
-----**RESPIRATORY PROTECTION**

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION

Usually none required. People with sensitive skin should wear impermeable gloves.

EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES
-----**VOLATILE %**

92.8
by weight

BOILING POINT

GT 212.00 F 100.00 C BOILING RANGE: 212 F - 410 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than ether

BULK DENSITY

8.327
lbs/gal at 75 F

pH FACTOR

N/E

PHOTOCHEMICALLY REACTIVE

NO

MAX V.O.C.

196 grams per liter (excluding exempt solvents & water)

MAX VAPOR PRESSURE

(of the V.O.C.) <1mm Hg at 20 degrees C

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SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Incompatible with strong oxidizing agents.

DECOMPOSITION

Thermal decomposition may produce carbon monoxide, and carbon dioxide.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:

PPM = parts per million

MG/M3 = milligrams per cubic meter

N/E or NE = none established

GT = greater than

N/A or NA = not applicable

TCC = tag closed cup

TOC = tag open cup

PMCC = Pensky-Martens closed cup

IDLH = Immediately Dangerous to Life and Health

END OF MSDS